

**REMARKS**

This is in response to the *fifth* Notice of Non-Responsive Amendment mailed September 13, 2007. Applicants would like to thank the Examiner for meeting with Applicant's representative Melissa Leuenberger-Fisher on October 5, 2007. The specification is amended herein to improve the clarity thereof. In particular, as discussed with the Examiner, the amendments focus on the "T", "C", "A" and "G" notations which are amended to "t", "c", "a", and "g", respectively, to further clarify that in PNAs, these notations refer to nucleobases rather than nucleotides. At the interview, the Examiner indicated that this amendment would not constitute new matter. Further, this is in keeping with the Examiner's suggestion in the communication mailed September 13, 2007, to amend the specification to clearly state the meaning of terms T, C, A and G so that the sequences of these abbreviations (as applied to PNAs) do not read on polynucleotide sequences.

As part of the amendment, the Sequence Listing is replaced with a Sequence Listing which presents the DNA sequences but omits the PNA sequences which are not required to be listed. Appropriate amendments to the specification, based on the new sequence listing are also made. No new matter is entered.

Applicants reassert the designation of PNA3 as the designated species to assist with the initial examination request substantive examination of the pending claims.

Applicants believe that this response is fully responsive. If the Examiner has any questions, he is invited to contact the undersigned.

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Respectfully submitted,  
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